

TRANSLATION

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference A. 15216-PCT	FOR FURTHER ACTION	See Form PCT/IPEA/416
International application No. PCT/EP2004/013031	International filing date (<i>day/month/year</i>) 17.11.2004	Priority date (<i>day/month/year</i>) 20.11.2003
International Patent Classification (IPC) or national classification and IPC G03G9/08, G03G9/09, B41 M3/12, B44C1/175, G03G13/01		
Applicant SCHOTT AG		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.
3. This report is also accompanied by ANNEXES, comprising: a. <input type="checkbox"/> (<i>sent to the applicant and to the International Bureau</i>) a total of _____ sheets, as follows: <input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions). <input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box. b. <input type="checkbox"/> (<i>sent to the International Bureau only</i>) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).
4. This report contains indications relating to the following items: <input checked="" type="checkbox"/> Box No. I Basis of the report <input type="checkbox"/> Box No. II Priority <input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability <input type="checkbox"/> Box No. IV Lack of unity of invention <input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement <input type="checkbox"/> Box No. VI Certain documents cited <input type="checkbox"/> Box No. VII Certain defects in the international application <input type="checkbox"/> Box No. VIII Certain observations on the international application

Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

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Box No. I

Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the **elements** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1-13 _____ as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☒ the claims:
- nos. 1-18 _____ as originally filed/furnished
- nos.* _____ as amended (together with any statement) under Article 19
- nos.* _____ received by this Authority on _____
- nos.* _____ received by this Authority on _____
- ☐ the drawings:
- sheets _____ as originally filed/furnished
- sheets* _____ received by this Authority on _____
- sheets* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

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Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1.	Statement		
	Novelty (N)	Claims	YES
		Claims 1-18	NO
	Inventive step (IS)	Claims	YES
		Claims 1-18	NO
	Industrial applicability (IA)	Claims 1-18	YES
		Claims	NO
2.	Citations and explanations (Rule 70.7)		
1.	This report makes reference to the following documents:		
D1:	EP 0 751 434 A (RICOH KK), 2 January 1997 (1997-01-02)		
D2:	WO 03/058351 A (SCHOTT GLAS; CARL-ZEISS-STIFTUNG TRADING AS SCHOTT GLAS; CARL-ZEISS-ST), 17 July 2003 (2003-07-17)		
D3:	DE 197 09 011 A1 (M. ZIMMER), 17 September 1998 (1998-09-17)		
2.	INDEPENDENT CLAIM 1		
	The present application does not meet the requirements of PCT Article 33(1) because the subject matter of claim 1 is not novel (PCT Article 33(2)).		
2.1	Document D1 discloses (see the passages cited in the search report) a ceramic toner made of the same components as in the present application, and in amounts that fall under the ranges claimed in claims 1 and 4-6. Gold, silver and copper powder		

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Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
	<p>and colloids are explicitly highlighted as foreign inorganic colouring substances.</p> <p>2.2 Document D2 discloses (see the passages cited in the search report) a ceramic toner having the same components as in the present application, although the non-magnetic character of the foreign substance portion and the specific charge of the toner particles is not explicitly described. However, in view of the identity of the components in the application and in the citation, the ranges of these parameters must be identical.</p> <p>2.3 Document D3 discloses (see the passages cited in the search report) ceramic toners having composition ratios similar to those in the present application and containing as refractory pigments Spinell compounds with Al₂O₃, for example, or "colourless compounds such as...zirconium oxide", "in which ions which colour the crystal lattice...are incorporated".</p> <p>3. DEPENDENT CLAIMS 2-18</p> <p>Claims 2-18 do not contain any features which, in combination with the features of any claim to which they refer, meet the PCT novelty and inventive step requirements.</p>